ACCESSION NUMBER: 2004:878169 CAPLUS Full-text

DOCUMENT NUMBER: 141:366218

TITLE: Preparation of substituted (hetero)aromatic compounds

that modulate PPAR activity

Bratton, Larry D.; Cheng, Xue-Min; Erasga, Noe; INVENTOR(S):

Filzen, Gary F.; Geyer, Andrew G.; Lee, Chitase;

Trivedi, Bharat K.; Unangst, Paul C.

PATENT ASSIGNEE(S): Warner Lambert Company LLC, USA

SOURCE: U.S. Pat. Appl. Publ., 90 pp.

CODEN: USXXCO

DOCUMENT TYPE: Patent English LANGUAGE:

FAMILY ACC. NUM. COUNT: 2

PATENT INFORMATION:

PA	PATENT NO.						DATE			APPLICATION NO.			DATE					
US	2004	20040209936				A1 20041021				US 2004-774260					20040206			
	S 7244763																	
US	20030225158							US 2003-347749						20030122				
US	6875780				B2 20050405													
CA	2522118				A1 20041028			CA 2004-2522118					20040405					
WO	2004091604				A1 20041028			WO 2004-IB1178					20040405					
	W:	ΑE,	AG,	AL,	AM,	ΑT,	ΑU,	AZ,	BA,	BB	, BG,	BR,	BW,	BY,	BZ,	CA,	CH,	
		CN,	CO,	CR,	CU,	CZ,	DE,	DK,	DM,	DZ	, EC,	EE,	EG,	ES,	FI,	GB,	GD,	
		GE,	GH,	GM,	HR,	HU,	ID,	IL,	IN,	IS	, JP,	ΚE,	KG,	KP,	KR,	KΖ,	LC,	
		LK,	LR,	LS,	LT,	LU,	LV,	MA,	MD,	MG	, MK,	MN,	MW,	MX,	MZ,	NA,	NI,	
		NO,	NZ,	OM,	PG,	PH,	PL,	PT,	RO,	RU	, SC,	SD,	SE,	SG,	SK,	SL,	SY,	
		TJ,	TM,	TN,	TR,	TT,	TZ,	UA,	UG,	US	, UZ,	VC,	VN,	YU,	ZA,	ZM,	ZW	
	RW:						•	•			, SZ,	•		•				
		BY,	KG,	KΖ,	MD,	RU,	ΤJ,	TM,	AT,	BE	, BG,	CH,	CY,	CZ,	DE,	DK,	EE,	
		ES,	FI,	FR,	GB,	GR,	HU,	IE,	IT,	LU	, MC,	NL,	PL,	PT,	RO,	SE,	SI,	
					•	•	•	•	•		, GN,	•	•	•			•	
		TD,		_ '	,	,	,	,	,		,,	- ~ /	,	,			,	
EP	•				A1 20060201					EP 2004-725756					20040405			
	R:	AT.	BE.								, IT,							
		,	,	•			,	•	,		, HU,	,	,	,	- '	- '	•	
BR	2004009486									BR 2004-9486					20040405			
										JP 2006-506486								
										NL 2004-1025961								
						C2 20050215						1010	301		_	0010	110	
	PRIORITY APPLN. INFO.:							00		IIS ·	2003-	4636	41P		P 2	0030	417	
TREGRET										US 2003-463641P US 2002-370508P								
										US 2002-386026P								
											2002					0040		
OTHER S	THER SOURCE(S):					CASREACT 141:366218; MARPAT 141:366218										100		
O I II DI	COLCOL		01101			_ • • • •	0210	,			• 5 5 6							

GΙ

AB Title compds. I [X0-2 = absent, O, S, amino, etc.; Ar1-2 = (hetero)aryl, etc.; V1 = absent, (un)saturated hydrocarbon chain, etc.; T = (un)saturated, (un)substituted hydrocarbon, etc.; R1-3 = H, alkyl, alkoxy, etc.; R7-8 = H, alkyl, halo, etc.; n = 0-5; q = 0-10; p = 0-10] are prepared For instance, [7-[(4-(4-Chlorophenyl)-4-oxobutyl)sulfanyl]indan-4-yloxy]acetic acid is prepared in 5 steps from 4-hydroxyindan-1-one, Me bromoacetate and 4-chloro-1-(4-chlorophenyl)butan-1-one. Compds. of the invention exhibit IC50 < 9,344 nM for PPARβ and IC50 of < 15,000 nM for PPARα. I are useful for the treatment of dyslipidemia, hypercholesterolemia, obesity, hyperglycemia, atherosclerosis, hypertriglyceridemia and hyperinsulinemia.

IT 779187-48-3P

RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(preparation of substituted (hetero) aromatic compds. that modulate ppar activity for the treatment of, e.g., dyslipidemia)  $\frac{1}{2}$ 

RN 779187-48-3 CAPLUS

CN 1H-Indene-1-acetic acid, 2,3-dihydro-5-[[4-[[4-(trifluoromethyl)phenyl]methoxy]phenyl]methoxy]- (CA INDEX NAME)

IT 779202-60-7P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)

(preparation of substituted (hetero) aromatic compds. that modulate ppar activity for the treatment of, e.g., dyslipidemia)

RN 779202-60-7 CAPLUS

CN 1H-Indene-1-acetic acid, 2,3-dihydro-5-[[4-[[4-(trifluoromethyl)phenyl]methoxy]phenyl]methoxy]-, ethyl ester (CA INDEX NAME)

$$\texttt{F3C} \qquad \texttt{CH}_2 - \texttt{O} \qquad \texttt{CH}_2 - \texttt{O} \qquad \texttt{CH}_2 - \texttt{O} \qquad \texttt{CH}_2 - \texttt{O} = \texttt{CH}_2 + \texttt{CH}_2 + \texttt{O} = \texttt{CH}_2 + \texttt{CH}_2$$